

Manufacturing Chemists' Association, Inc.

(FOUNDED 1872)

1825 CONNECTICUT AVENUE, N. W.
WASHINGTON, D. C. 20009

OHC-14

OCCUPATIONAL HEALTH COMMITTEE

Minutes of Meeting

MCA Offices, Washington, D. C. September 14, 1967

PRESENT

C. U. Dernehl, M.D., Chairman	Union Carbide Corporation
E. E. Christofano	Hercules Incorporated
Mac Roy Gasque, M. D.	Olin Mathieson Chemical Corporation
F. D. Gassaway, M. D.	Gulf Oil Corporation
N. V. Hendricks	Standard Oil Company (N.J.)
M. M. Johnson, M. D.	Monsanto Company
G. J. Levinskas	American Cyanamid Company
W. J. Martin, M. D.	Cyanamid of Canada Limited
W. E. McCormick	The B. F. Goodrich Company
R. W. McNab	Wyandotte Chemicals Corporation
F. L. Oglesby	Tennessee Eastman Company
J. A. Pendergrass	Minnesota Mining and Manufacturing Company
G. J. Stopps, M. D.	E. I. du Pont de Nemours & Company
J. H. Wolfsie, M. D.	Uniroyal
F. G. Stephenson, Secretary	Manufacturing Chemists Association

GUEST

W. L. Sutton, M. D.	Eastman Kodak Company
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ABSENT

E. M. Dixon, M. D.	Celanese Corporation
T. R. Torkelson	The Dow Chemical Company

NON-RESPONSE MATERIAL REBASTED

2. Medical Management Sections of Chemical Safety Data Sheets

NON-RESPONSE MATERIAL REBASTED

CMA 012810

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25014028

(h) Ethylene Dichloride - (author Dr. C. U. Dernehl)

NON-RESPONSIVE MATERIAL REDACTED

CMA 012811

BFG53158

25014029

4. Epidemiological Study

Mr. W. E. McCormick reported that The B. F. Goodrich Company article on Occupational Acroosteolysis had been published in the Journal of the Americal Medical Association. Copies will be distributed to committee members.

The research program at the University of Michigan has been slowed because of unavoidable delays in visiting plants and in obtaining x-rays. MCA's contract has been extended to December 31, 1967.

A report on the reading of each x-ray submitted to the University will be sent to the plant involved.

NON-RECOGNIZED MATERIAL DELETED

CMA 012812

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25014031

BFG53160

Manufacturing Chemists' Association, Inc.

(FOUNDED 1872)

1825 CONNECTICUT AVENUE, N. W.
WASHINGTON, D. C. 20009

OHC-22

OCCUPATIONAL HEALTH COMMITTEE

Minutes of Meeting

Offices of 3M Company, St. Paul, Minn. May 28, 1968

PRESENT

C. U. Dernehl, M.D., Chairman	Union Carbide Corporation
E. M. Dixon, M.D., Vice Chairman	Celanese Corporation
Mac Roy Gasque, M. D.	Olin Mathieson Chemical Corporation
W. J. Martin, M.D.	Cyanamid of Canada Limited
R. W. McNab	Wyandotte Chemicals Corporation
F. L. Oglesby	Tennessee Eastman Company
J. A. Pendergrass	Minnesota Mining and Manufacturing Company
G. J. Stopps, M.D.	E. I. du Pont de Nemours & Company
T. R. Torkelson	The Dow Chemical Company
J. H. Wolfsie, M.D.	Uniroyal, Inc.
F. G. Stephenson, Secretary	Manufacturing Chemists Association

GUESTS

W. A. McClellan (representing F.D. Gassaway, M.D.)	Gulf Oil Corporation
E. L. Jaffee	Manufacturing Chemists Association

ABSENT

E. E. Christofano	Hercules Incorporated
N. V. Hendricks	Standard Oil Company (N.J.)
G. J. Levinskas	American Cyanamid Company
M. N. Johnson, M.D.	Monsanto Company
W. E. McCormick	The B. F. Goodrich Company

NON-RESPONSE MATERIAL REQUESTED

2. Epidemiological Study

Dr. Dernehl reported on the status of the study. The contract with the University of Michigan has been extended to a completion date of September 30, 1968.

CMA 012813

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Manufacturing Chemists' Association, Inc.

(FOUNDED 1872)

1825 CONNECTICUT AVENUE, N. W.
WASHINGTON, D. C. 20009

OHC-26

OCCUPATIONAL HEALTH COMMITTEE
Minutes of Meeting
Executive Inn, Louisville, Ky. October 23, 1968

PRESENT

C. U. Dernehl, M.D. Chairman	Union Carbide Corporation
E. M. Dixon, M.D., Vice Chairman	Celanese Corporation
E. E. Christofano	Hercules Incorporated
M. R. Gasque, M. D.	Olin Mathieson Chemical Corporation
N. V. Hendricks	Standard Oil Company (N.J.)
M. N. Johnson, M. D.	Monsanto Company
G. J. Levinskas	American Cyanamid Company
W. J. Martin, M. D.	Cyanamid of Canada Limited
W. A. McClellan, M. D. (representing F. D. Gassaway, M.D.)	Gulf Oil Corporation
J. A. Pendergrass	Minnesota Mining and Manufacturing Company
G. J. Stopps	E. I. du Pont de Nemours & Company
J. H. Wolfsie, M. D.	Uniroyal, Inc.
F. G. Stephenson, Secretary	Manufacturing Chemists Association

GUESTS

A. L. Potter, M. D.	Imperial Chemical Industries Limited (Chairman, Medical Committee Chemical Industries Association)
F. P. Shepherd, M. D.	E. I. du Pont de Nemours & Company

ABSENT

W. E. McCormick	The B. F. Goodrich Company
R. W. McNab	Wyandotte Chemicals Corporation
F. L. Oglesby	Tennessee Eastman Company
T. R. Torkelson	The Dow Chemical Company

NON-RESPONSIVE MATERIAL REDACTED

CMA 012814

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NON-RESPONSIVE MATERIALS

3. Epidemiological Study

Dr. C. U. Dernehl reported on the status of the research program being carried out at the University of Michigan. It is anticipated that the final report will be made early in 1969 at a meeting of the Occupational Health Committee, manufacturers of polyvinyl chloride and representatives of the University of Michigan. It is understood that subsequent to the presentation of the report additional presentations will be made to the American Medical Association and the American Industrial Hygiene Association.

Dr. Potter reported on investigations of the phenomenon which are taking place in England.

NON-RESPONSIVE MATERIALS

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OHC-30

OCCUPATIONAL HEALTH COMMITTEE

Minutes of Meeting

MCA Offices, Washington, D. C. April 30, 1969

PRESENT

C. U. Dernehl, M.D., Chairman	Union Carbide Corporation
E. M. Dixon, M. D., Vice Chairman	Celanese Corporation
E. E. Christofano	Hercules Incorporated
G. J. Levinskas	American Cyanamid Company
W. J. Martin, M. D.	Cyanamid of Canada Limited
W. A. McClellan, M. D.	Gulf Oil Corporation
W. E. McCormick	The B. F. Goodrich Company
R. W. McNab	Wyandotte Chemicals Corporation
F. L. Oglesby	Tennessee Eastman Company
G. J. Stopps, M.D.	E. I. du Pont de Nemours & Company
T. R. Torkelson	The Dow Chemical Company
J. H. Wolfsie, M. D.	Uniroyal, Inc.
F. G. Stephenson, Secretary	Manufacturing Chemists Association

ABSENT

Mac Roy Gasque, M. D.	Olin Mathieson Chemical Corporation
N. V. Hendricks	Standard Oil Company (N.J.)
M. N. Johnson, M. D.	Monsanto Company
J. A. Pendergrass	Minnesota Mining and Manufacturing Comp

2. "Epidemiological Investigation of the Polyvinyl Chloride Industry in Reference to Occupational Acroosteolysis" - discussion of University of Michigan report.

The Chairman stated that the subcommittee had met several times with representatives of the University of Michigan and had discussed drafts of the report. It was agreed that it would be submitted to the Occupational Health Committee prior to its submittal to manufacturers of PVC on May 6 in Washington, D. C. The Chairman asked if there should be a further study project on acroosteolysis. Dr. Magnuson will be prepared to discuss this on May 6. The present study is only a prevalence study. Little is known of how the disease starts or develops or even of the transient incidence of Raynaud's phenomenon. The recommendation for continued surveillance of PVC operators is important since it will provide valuable information.

Mr. McCormick regretted that the report does not include a footnote to explain case Dx 4 on page 101 which lists an incidence of Raynaud's phenomenon occurring in compounding, and that the word "probably" on page 67 was not changed to "possibly."

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These changes had been agreed to but were not made in the final draft of the report.

Dr. Wolfsie found the report generally acceptable. The committee, he thought, should now make a definite recommendation to the manufacturers regarding further activities.

Dr. Dernehl reviewed the findings -- that the disease occurs among vessel cleaners -- that the causative agent was not definitely identified -- that most cases show a combination of Raynaud's disease and bone changes -- and that bone changes are almost indistinguishable from those resulting from traumatic injury.

Mr. Christofano questioned the recommendation to reduce vinyl chloride exposure to 50 ppm. There followed general discussion of this recommendation.

A MOTION to accept the report as submitted was then defeated by a vote of 7 to 3.

After further detailed discussion the committee VOTED unanimously to accept the report, subject to the following changes in the RECOMMENDATIONS which appear on page 104:

(a) RECOMMENDATION 1 - Page 104 of Report

Eliminate the last sentence "Where it is necessary for workers to enter the reactor tanks, sufficient ventilation should be provided to reduce the vinyl chloride concentration below 50 ppm."

Insert in its place "Where it is necessary for workers to enter the reactor tanks adequate ventilation should be provided. Inasmuch as the etiologic agent of the disease is unknown, a level of vinyl chloride below 50 ppm should be used as an index of adequate ventilation."

RECOMMENDATION 3 - Page 104 of Report Change word "continued to" to "supported"

The committee then resolved to make additional recommendations to the vinyl chloride and PVC manufacturers:

(a) There should be pre-assignment examinations of vinyl chloride and polyvinyl chloride production workers. These examinations should include:

- I. Hand X-ray
- II. History - including that of Raynaud's disease, scleroderma and abnormal cold response.

(b) There should be periodic surveillance examinations. These examinations should be given at least once a year and should include:

- I. Hand X-ray
- II. History - as above

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Further studies of the disease

The committee recommended that manufacturers of PVC should sponsor further studies of the disease and its causes and that such studies be under the supervision of the Occupational Health Committee.

It was further recommended that the committee chairman write to Dr. Magnuson at the University of Michigan and congratulate him on the successful conclusion of the project and on the excellence of the report.

NON-RESPONSIVE MATERIAL REDACTED

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